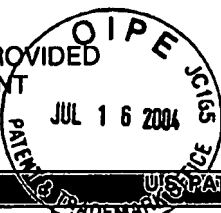


FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TH2306 02 (US)APPLICATION NUMBER  
10/815,276LIST OF INFORMATION PROVIDED  
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APPLICANT  
P. M. McAllister et al.FILING DATE  
April 1, 2004

GROUP ART UNIT

## REFERENCE DESIGNATION

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
/RB/	AA	3,563,913	2/16/71	de Krijger et al.	252	463	
/RB/	AB	3,563,914	2/16/71	Wattimena	252	463	
/RB/	AC	3,844,981	10/29/74	Cusumano	252	471	
/RB/	AD	3,937,476	2/10/76	Sakai	274	39 A	
/RB/	AE	3,962,136	6/8/76	Nielsen et al.	252	454	
/RB/	AF	3,962,285	6/8/76	Cusumano	260	348.5 R	
/RB/	AG	4,207,210	6/10/80	Kilty	252	463	
/RB/	AH	4,212,772	7/15/80	Mross et al.	252	476	
/RB/	AI	4,458,032	7/3/84	Rebsdat et al.	502	348	
/RB/	AJ	4,471,071	9/11/84	Rebsdat et al.	502	347	
/RB/	AK	4,728,634	3/1/88	Boxhoom et al.	502	243	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
/RB/	AM	1,920,976	11/6/69	Germany (English Abstract for GB1257352)	B01J	11/52		X
/RB/	AN	1,257,352	4/23/69	Great Britain	B01J	11/08		
/RB/	AO	0,266,015 A1	10/30/87	Europe	B01J	23/68		
	AP							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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/Randy Boyer/

DATE CONSIDERED

8/02/07

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## REFERENCE DESIGNATION

Examiner Initial		Document Number	Date	Patentee	Class	Subclass	Filing Date If Appropriate
/RB/	BA	4,731,350	3/15/88	Boxhoom et al.	502	231	
/RB/	BB	4,761,394	8/2/88	Lauritzen	502	348	
/RB/	BC	4,766,105	8/23/88	Lauritzen	502	216	
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/RB/	BE	4,820,675	4/11/89	Lauritzen	502	216	
/RB/	BF	4,829,044	5/9/89	Boxhoom et al.	502	348	
/RB/	BG	4,845,296	7/4/89	Ahmed et al.	564	477	
/RB/	BH	4,939,114	7/3/90	Nojiri et al.	502	348	
/RB/	BI	4,994,587	2/19/91	Notermann et al.	549	534	
/RB/	BJ	5,100,859	3/31/92	Gerdes et al.	502	439	
/RB/	BK	5,145,824	9/8/92	Buffum et al.	502	216	
/RB/	BL	5,187,140	2/16/93	Thorsteinson et al.	502	348	

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes No	
	BM						
	BN						
	BO						

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	BR	
	BS	

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DATE CONSIDERED

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<b>FORM PTO-1449 (Modified)</b>  <b>LIST OF INFORMATION PROVIDED BY APPLICANT</b>  (Use several sheets if necessary)				<b>ATTY. DOCKET NO.</b> TH2306 02 (US)		<b>APPLICATION NUMBER</b> 10/815,276	
				<b>APPLICANT</b> P. M. McAllister et al.			
				<b>FILING DATE</b> April 1, 2004		<b>GROUP ART UNIT</b>	

REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
Examiner Initial	CA	Document Number	Date	Patentee	Class	Subclass	Filing Date If Appropriate
/RB/	CA	5,254,786	10/19/93	Lin et al.	585	645	
/RB/	CB	5,364,826	11/15/94	Kemp	502	315	
/RB/	CC	5,380,697	1/10/95	Matusz et al.	502	348	
/RB/	CD	5,380,885	1/10/95	Kemp	549	536	
/RB/	CE	5,407,888	4/18/95	Herzog et al.	502	317	
/RB/	CF	5,418,202	5/23/95	Evans et al.	502	348	
/RB/	CG	5,457,897	10/17/95	Becker	34	472	
/RB/	CH	5,502,020	3/26/96	Iwakura et al.	502	317	
/RB/	CI	5,597,773	1/28/97	Evans et al.	502	348	
/RB/	CJ	5,703,253	12/30/97	Evans et al.	549	536	
/RB/	CK	5,705,661	1/6/98	Iwakura et al.	549	536	
/RB/	CL	5,739,075	4/14/98	Matusz	502	302	
/RB/	CM	5,801,259	9/1/98	Kowaleski	549	536	
/RB/	CN	6,368,998	4/9/02	Lockemeyer	502	347	
/RB/	CO	6,498,122	12/24/02	Nakashiro	502	347	
/RB/	CP	6,656,874	12/2/03	Lockemeyer	502	347	
/RB/	CQ	2002/0010094	1/24/02	Lockemeyer	502	439	

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	<div style="display: flex; justify-content: space-between;"> <span>Translation</span> <span>Yes</span> <span>No</span> </div>
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	CT						

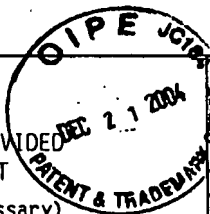
  

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FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
ETH-2306-02 (US)APPLICATION NUMBER  
10/815,276LIST OF INFORMATION PROVIDED  
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PAUL M. McALLISTER ET AL

(Use several sheets if necessary)

FILING DATE  
4/1/04

GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
/RB/	AA	4,511,671	4/85	Saito et al	502	242	
/RB/	AB	4,645,754	2/87	Tamura et al	502	527	
/RB/	AC	4,656,157	4/87	Hofmann et al	502	439	
/RB/	AD	2002/0010378	1/02	Kakimoto et al	568	867	
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	AI						
	AJ						
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## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
/RB/	AL	1,277,698	1/03	EP	C01B 3/38	B01J 8/06		
	AM							
	AN							
	AO							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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DATE CONSIDERED

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FORM PTO-1449 (Modified)

JUL 16 2007

ATTY. DOCKET NO.  
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10/815.276LIST OF INFORMATION PROVIDED  
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APPLICANT  
Paul M. McAllister et alFILING DATE  
01 April 2004

GROUP ART UNIT

## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
/RB/	AA	US3972829	8/76	Michalko	252	430	
/RB/	AB	US4005049	1/77	Fields	252	467	
/RB/	AC	US4908343	3/90	Bhasin	502	218	
/RB/	AD	US4797270	1/89	Cendan et al	423	625	
/RB/	AE	US4361504	11/82	Solomon et al	252	463	
/RB/	AF	US4366092	12/82	Winterton	252	476	
/RB/	AG	US4367167	1/83	Lee et al	252	472	
/RB/	AH	US4810689	3/89	Hayden	502	347	
/RB/	AI	US4186106	1/80	Rebsdat et al	252	414	
/RB/	AJ	US4125480	11/78	Maxwell	252	414	
/RB/	AK	US4886917	12/89	Knopf et al	568	623	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
/RB/	AL	W0199623585	8/96	WO	B01J	23/66		
/RB/	AM	W0199641848	12/96	WO	C10G	45/08		
/RB/	AN	JP56164013	1980	Japan (Abstract)	C01F	7/02		
/RB/	AO	JP56105750	8/81	Japan (Abstract)	B01J	23/66		

## OTHER DOCUMENTS (INCLUDING AUTHORS' TITLE, DATE, PERTINENT PAGES, ETC.)

/RB/	AR	B.E.T. (Brunauer, Emmett and Teller) Journal of American Chemical Society 60 (1938) pgs. 309-316.
/RB/	AS	"Kirk-Othmer Encyclopedia of Chemical Technology". 3 <sup>rd</sup> edition, Volume 9, 1980. pgs.432-447.
/RB/	AT	Fulton, J. W.. "Selecting the Catalyst Configuration". Chemical Engineering. May 12, 1986. pgs. 97-101.

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## REFERENCE DESIGNATION OF U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
/RB/	BA	US5057481	10/91	Bhasin	502	208	
/RB/	BB	US2901441	8/59	Waterman	252	463	
/RB/	BC	US5734068	3/98	Klopries et al	549	536	
/RB/	BD	US5668077	9/97	Klopries et al	502	347	
/RB/	BE	US4874739	10/89	Boxhoorn	502	218	
/RB/	BF	US4916243	4/90	Bhasin et al	549	534	
/RB/	BG	US5387751	2/95	Hayden et al	549	534	
/RB/	BH	US5447897	9/95	Kemp	502	303	
/RB/	BI	US5486628	1/96	Kemp	549	536	
/RB/	BJ	US5545603	8/96	Kemp	502	347	
/RB/	BK	US5663385	9/97	Kemp	549	536	

## FOREIGN PATENT DOCUMENTS

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/RB/	BL	EP211521	2/87	EP	B01J	23/66		
/RB/	BM	EP0937498	8/99	EP	B01J	23/66		
/RB/	BN	EP563414	10/93	EP	B01J	23/52		
/RB/	BO	EP568978	11/93	EP	G01C	19/56		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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Paul M. McAllister et alFILING DATE  
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GROUP ART UNIT

## REFERENCE DESIGNATION, U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
/RB/	CA	US5055442	10/91	Osaka et al	502	439	
/RB/	CB	US5037794	8/91	Magistro	502	355	
/RB/	CC	US4994588	2/91	Kapicak et al	549	534	
/RB/	CD	US4994589	2/91	Notermann	549	534	
/RB/	CE	US5112795	5/92	Minahan et al	502	324	
/RB/	CF	US4797279	1/89	Karamata et al	424	93	
/RB/	CG	US5374748	12/94	Rizkalla	549	534	
/RB/	CH	US4361500	11/82	Mathe et al	252	430	
/RB/	CI	US3895093	07/75	Weidenbach et al	423	213.5	
/RB/	CJ	US4235798	11/80	Bartley et al.	260	449	
/RB/	CK	US4244889	01/81	Bartley et al.	564	132	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
/RB/	CL	FR2005978	10/69	France (abstract)	G08C	13/02		
/RB/	CM	EP716884	06/96	EP	B01J	23/66		
/RB/	CN	GB1489335	10/77	GB	B01J	23/66		
/RB/	CO	EP327356	8/89	EP	C07D	301/10		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
/RB/	DA	US4356312	10/82	Nieslen et al.	549	534	
/RB/	DB	US4368144	01/83	Mitsuhata et al.	252	463	
/RB/	DC	US4379134	04/83	Weber et al.	423	626	
/RB/	DD	US4420420	12/83	Mita et al.	502	261	
/RB/	DE	US4628129	12/86	Bartley	568	864	
/RB/	DF	US4665048	05/87	Van Leeuwen et al.	502	221	
/RB/	DG	US5935894	08/99	Kanazirev	502	341	
/RB/	DH	US6103916	08/00	Takada et al.	549	534	
/RB/	DI	US6281160	08/01	Basset et al.	502	332	
/RB/	DJ	US5380697	01/95	Matusz et al.	502	348	
/RB/	DK	US4361503	11/82	Dwyer et al.	252	455	

## FOREIGN PATENT DOCUMENTS

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/RB/	DL	EP1201301	5/02	EP	B01J	23/58		
/RB/	DM	W0200226370	4/02	WO	B01J	8/06		
/RB/	DN	W02004101144	11/04	WO	B01J	23/50		
/RB/	DO	W02004094055	11/04	WO	B01J			

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	DR	
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/RB/	EA	US2424083	07/47	Finch et al.	252	204	
/RB/	EB	US4382149	05/83	Krueger	568	473	
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/RB/	ED	US5457897	10/95	Becker	34	472	
/RB/	EE	US4837194	6/89	Hayden	502	348	
/RB/	EF	US6511938	1/03	Liu et al	502	347	
/RB/	EG	US3997476	12/76	Cull	252	463	
/RB/	EH	US5447897	9/95	Kemp	502	303	
/RB/	EI	US4366093	12/82	Shiozaki et al	252	477	
/RB/	EJ	US6325919	12/01	Koyama et al	208	134	
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## FOREIGN PATENT DOCUMENTS

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/RB/	EL	W02005023417	3/05	WO	B01J	23/68		
/RB/	EM	W02003072246	9/03	WO	B01J	23/66		
/RB/	EN	EP1277698	1/03	EP	C01B	3/38		
/RB/	EO	EP1002575	5/00	EP	B01J	23/04		

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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	ES	
	ET	

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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
/RB/	EA	US4033903	7/77	Maxwell	252	476	
/RB/	EB	US20040225138	11/04	McAllister et al	549	523	
/RB/	EC	US20040260103	12/04	Matusz et al	549	534	
/RB/	ED	US20040224841	11/04	Matusz et al	502	347	
/RB/	EE	US6631890	10/03	Lau	261	94	
/RB/	EF	US5626455	5/97	Keller et al	414	288	
/RB/	EG	US5588986	12/96	Davis et al	95	211	
/RB/	EH	US20020137957	7/04	Jeong	455	566	
/RB/	EI	US2238474	4/41	McNamee et al	260	348	
	EJ						
	EK						

**FOREIGN PATENT DOCUMENTS**

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	EL							
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